

Technical Characteristics SMC

Technische Daten SMC

Electrical characteristics

Elektrische Daten

Characteristic impedance	50 Ω	Wellenwiderstand
Frequency range	0...6 GHz	Frequenzbereich
VSWR (straight contacts)	≤ 1.30 typ.	VSWR (gerader Kontakt)
Insertion loss (dB)	0.1 dB max. /1GHz typ.	Dämpfung (dB)
Insulation resistance	1000 MΩ	Isolationswiderstand
Center contact resistance	≤ 5.0 mΩ	Übergangswiderstand Innenleiter
Outer contact resistance	≤ 2.5 mΩ	Übergangswiderstand Außenleiter
Test voltage	750 V rms	Prüfspannung
Working voltage	150 V rms	Betriebsspannung
Contact current	1.5 A DC typ.	Strombelastbarkeit

Mechanical characteristics

Mechanische Daten

Coupling torque	0.7 N max.	Anzugsdrehmoment
Center contact retention force	20 N min.	Innenleiter Haltekraft
Connecting operations	≥ 500	Anzahl Steckzyklen

Environmental

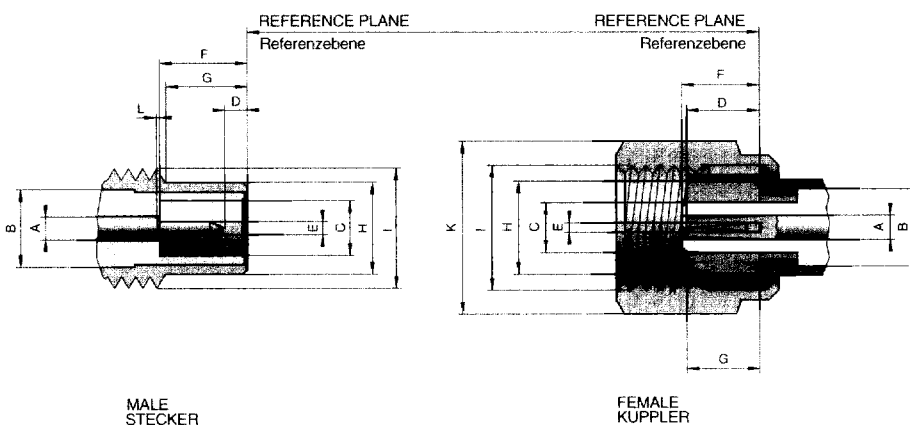
Umgebungseinflüsse

Temperature range	-65°C - +165°C	Temperaturbereich
Vibration	MIL-STD-202 Meth. 204/D	
Humidity	MIL-STD-202 Meth. 106/C	Feuchtigkeit
Shock	MIL-STD-202 Meth. 213/C	Schock
Temperature cycle	MIL-STD-202 Meth. 102/C	Temperatur Zyklen

Materials

Materialien

Body	Brass	Außenleiter
Center contact - plug	Brass	Innenleiter - Stecker
Center contact - jack	CuBe 2	Innenleiter - Kuppler
Insulator	PTFE	Isolator
Crimping sleeve	soft copper	Krimphülse
Gaskets	Rubber	Dichtungen
Plating body contact area	Au	Oberfläche Kontaktzone Außenleiter
Plating center contact area	Au	Oberfläche Kontaktzone Innenleiter



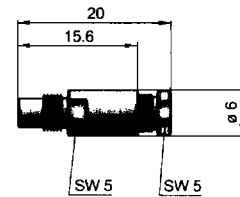
SMC (50 Ohm) Serie 39				
MALE STECKER		FEMALE KUPPLER		
min.	max.	min.	max.	
A	0.95 nom	0.95 nom		A
B	3.05 nom	3.05 nom		B
C	2.08		2.06	C
D	0.61		3.40	D
E	0.48	0.53	1)	E
F	3.40		3.40	F
G	3.12	3.38	3.10	G
H		3.71	3.73	H
I	10-32-UNF-2A		10-32-UNF-2B	I
K			HEX 6.0	K
L	0.0	0.18		

1) resilient, dim. to meet electrical and mechanical requirements  
 federnd zusammengezogen (Erfüllung elektr./mech. Forderungen)

**STRAIGHT PLUG, Clamp**

**STECKER, klemm**

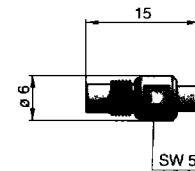
Part Number	Cable Group	Assembly Instruction	Part Piercing	Remarks
39 S 101-001 D3	01	59 A	74-0003	
39 S 101-002 D3	02,03	59 A	74-0004	



**STRAIGHT PLUG, Solder**

**STECKER, löt**

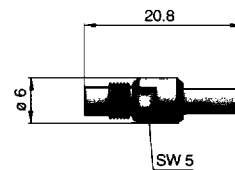
Part Number	Cable Group	Assembly Instruction	Remarks
39 S 101-271 D3	71	59 K	



**STRAIGHT PLUG, Crimp**

**STECKER, crimp**

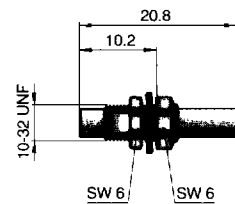
Part Number	Cable Group	Assembly Instruction	MIL-Std. C39012	Crimp Inserts	Remarks
39 S 101-101 D3	01	59 G2	74-0008	11 W 150-401	
39 S 101-102 D3	02	59 G2	74-0009	11 W 150-402	
39 S 101-103 D3	03	59 G2		11 W 150-403	



**BULKHEAD PLUG, Crimp, Rear Mount**

**GEHÄUSESTECKER, Crimp, Montage von hinten**

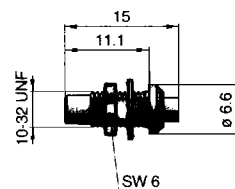
Part Number	Cable Group	Assembly Instruction	Part Piercing	Crimp Inserts	Remarks
39 S 602-101 D3	01	59 G2	B 22	11 W 150-401	
39 S 602-102 D3	02	59 G2	B 22	11 W 150-402	
39 S 602-103 D3	03	59 G2	B 22	11 W 150-403	



**BULKHEAD PLUG, Solder, Rear Mount**

**GEHÄUSESTECKER, löt, Montage von hinten**

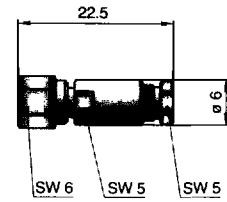
Part Number	Cable Group	Assembly Instruction	Part Piercing	Remarks
39 S 501-271 D3	71	59 K	B 22	



**STRAIGHT JACK, Clamp**

**KUPPLER, klemm**

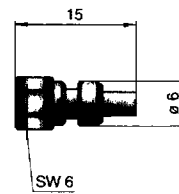
Part Number	Cable Group	Assembly Instruction	MIL-Std. C39011	Remarks
39 K 101-001 D3	01	59 A	73-0003	
39 K 101-002 D3	02,03	59 A	73-0004	



**STRAIGHT JACK, Solder**

**KUPPLER, löt**

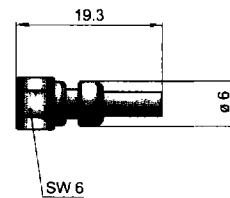
Part Number	Cable Group	Assembly Instruction	Remarks
39 K 101-271 D3	71	59 K	



**STRAIGHT JACK, Crimp**

**KUPPLER, crimp**

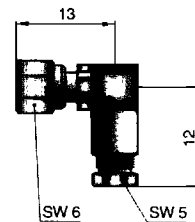
Part Number	Cable Group	Assembly Instruction	MIL-Std. C39012	Crimp inserts	Remarks
39 K 101-101 D3	01	59 G2	73-0008	11 W 150-401	
39 K 101-102 D3	02	59 G2	73-0009	11 W 150-402	
39 K 101-103 D3	03	59 G2		11 W 150-403	



**RIGHT ANGLE JACK, Clamp**

**WINKELKUPPLER, klemm**

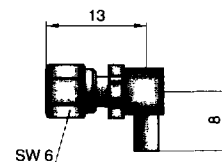
Part Number	Cable Group	Assembly Instruction	MIL-Std. C39012	Remarks
39 K 201-001 D3	01	59 C	75-0003	
39 K 201-002 D3	02, 03	59 C	75-0004	



**RIGHT ANGLE JACK, Solder**

**WINKELKUPPLER, löt**

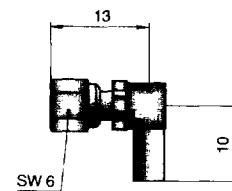
Part Number	Cable Group	Assembly Instruction	Remarks
39 K 201-271 D3	71	59 K1	



**RIGHT ANGLE JACK, Crimp**

**WINKELKUPPLER, crimp**

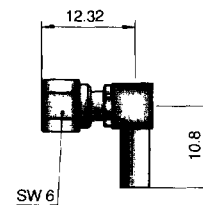
Part Number	Cable Group	Assembly Instruction	MIL-Std. C39012	Crimp inserts	Remarks
39 K 201-101 D3	01	59 H	75-0008	11 W 150-402	
39 K 201-102 D3	02	59 H	75-0009	11 W 150-402	
39 K 201-103 D3	03	59 H		11 W 150-402	



**RIGHT ANGLE JACK, Solder-Crimp**

**WINKELKUPPLER, löt-crimp**

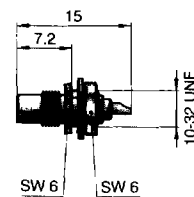
Part Number	Cable Group	Assembly Instruction	Crimp inserts	Remarks
39 K 202-301 D3	01	59 F	11 W 150-101	
39 K 202-302 D3	02	59 F	11 W 150-102	
39 K 202-303 D3	03	59 F	11 W 150-103	



**BULKHEAD PLUG, Front Mounting**

**GEHÄUSESTECKER, Montage von vorne**

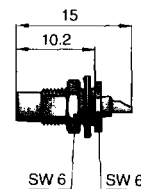
Part Number	MIL-Std. C39012	Panel Piercing	Remarks
39 S 601-200 D3	77-0002	B 22	



**BULKHEAD PLUG, Rear Mounting**

**GEHÄUSESTECKER, Montage von hinten**

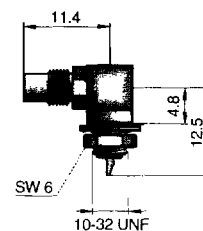
Part Number	MIL-Std. C39012	Panel Piercing	Remarks
39 S 602-200 D3	77-0001	B 22	



**RIGHT ANGLE BULKHEAD PLUG**

**GEHÄUSE-WINKELSTECKER**

Part Number	Panel Piercing	Remarks
39 S 201-200 D3	B 22	

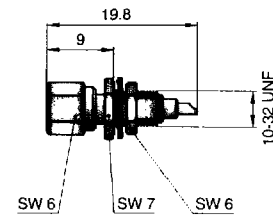


**BULKHEAD JACK, Front Mounting**

**GEHÄUSEKUPPLER, Montage von vorne**

Part Number	Panel Piercing	Remarks
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39 K 601-200 D3 B 22

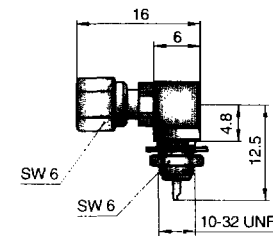


**RIGHT ANGLE BULKHEAD JACK**

**GEHÄUSE-WINKELKUPPLER**

Part Number	Panel Piercing	Remarks
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39 K 201-200 D3 B 22

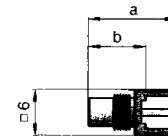


**PLUG for PCB**

**LEITERPLATTENSTECKER**

Part Number	Panel Piercing	Remarks
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39 S 101-400 D3 B 30 a = 11.5; b = 7.5  
 39 S 102-400 D3 B 30 a = 16.5; b = 13.0

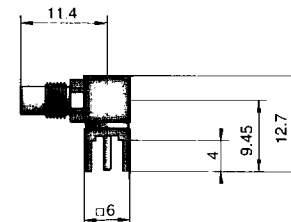


**RIGHT ANGLE PLUG for PCB**

**LEITERPLATTEN-WINKELSTECKER**

Part Number	Panel Piercing	Remarks
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39 S 201-400 D3 B 30

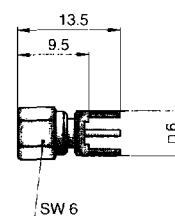


**JACK for PCB**

**LEITERPLATTENKUPPLER**

Part Number	Panel Piercing	Remarks
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39 K 101-400 D3 B 30

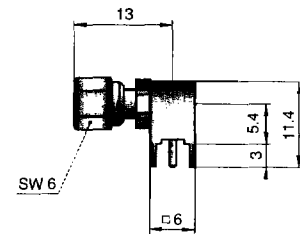


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**RIGHT ANGLE JACK for PCB**

**LEITERPLATTEN-WINKELKUPPLER**

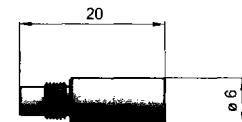
Part Number	Panel Piercing	Remarks
39 K 201-400 D3	B 30	



**TERMINATION PLUG**

**ABSCHLUSS-STECKER**

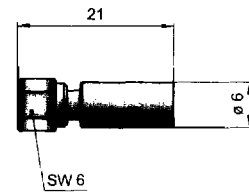
Part Number	Technical information	Remarks
39 S 155-025 D3	0.25 W; 0-1 GHz	



**TERMINATION JACK**

**ABSCHLUSS-KUPPLER**

Part Number	Technical information	Remarks
39 K 155-025 D3	0.25 W; 0-1 GHz	

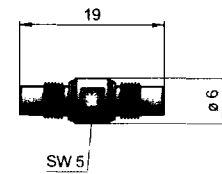


**STRAIGHT ADAPTOR**

**VERBINDER gerade**

Part Number	Remarks
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39 S 101-S00 D3 2 x plug

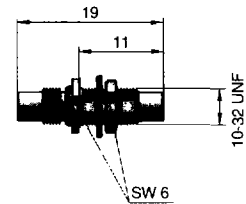


**BULKHEAD ADAPTOR**

**GEHÄUSE-VERBINDER**

Part Number	Remarks
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39 S 601-S00 D3 2 x plug

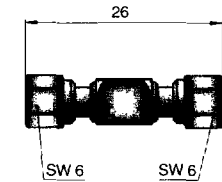


**STRAIGHT ADAPTOR**

**VERBINDER gerade**

Part Number	Remarks
-------------	---------

39 K 101-K00 D3 2 x jack

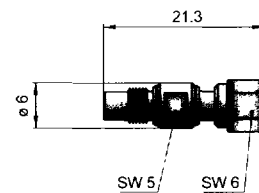


**STRAIGHT ADAPTOR**

**VERBINDER gerade**

Part Number	Remarks
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39 S 101-K00 D3 1 x plug; 1 x jack

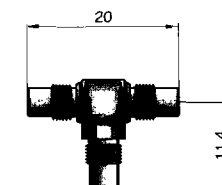


**T-ADAPTOR**

**T-VERBINDER**

Part Number	Remarks
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39 S 301-S00 D3 3 x plug

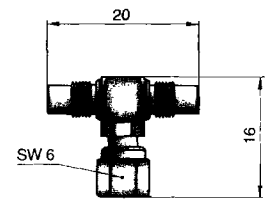


**T-ADAPTOR**

**T-VERBINDER**

Part Number	Remarks
-------------	---------

39 S 301-K00 D3      2 x plug, 1 x jack

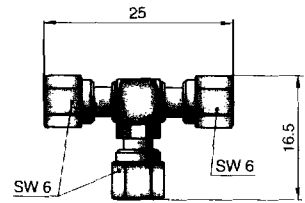


**T-ADAPTOR**

**T-VERBINDER**

Part Number	Remarks
-------------	---------

39 K 301-K00 D3      3 x jack



**T-ADAPTOR**

**T-VERBINDER**

Part Number	Remarks
-------------	---------

39 K 301-S00 D3      2 x jack, 1 x plug

